



**Public Works Department**  
**4444 Walbert Avenue**  
**Allentown, PA 18104-1699**  
**Phone: 610-398-0407**  
**Fax: 610-398-6898**

## **Facsimile Transmission Sheet**

**Date: 11/29/11**

**To: Shenna Ripple, DEP**

**Fax Number 610-861-2072**

**From: Thomas R. Uff, Superintendent, Underground  
Utilities & Traffic**

**Subject: SSO Report to DEP**

**Number of pages including this transmission sheet: 4**

### **Message:**

**The attached SSO report is the result of an overflow at Township Authority Manhole MH-1. See attached map. This happened Wednesday, November 23, 2011. Note: As stated before; We have performed extensive repairs and sealing of manholes in this area over the past year. The combined Townships, County, and City flow, was unable to enter the City main and the backpressure caused the casting to lift.**

**WATER QUALITY**

**COUNTY: Lehigh**

**NOV 29 2011**

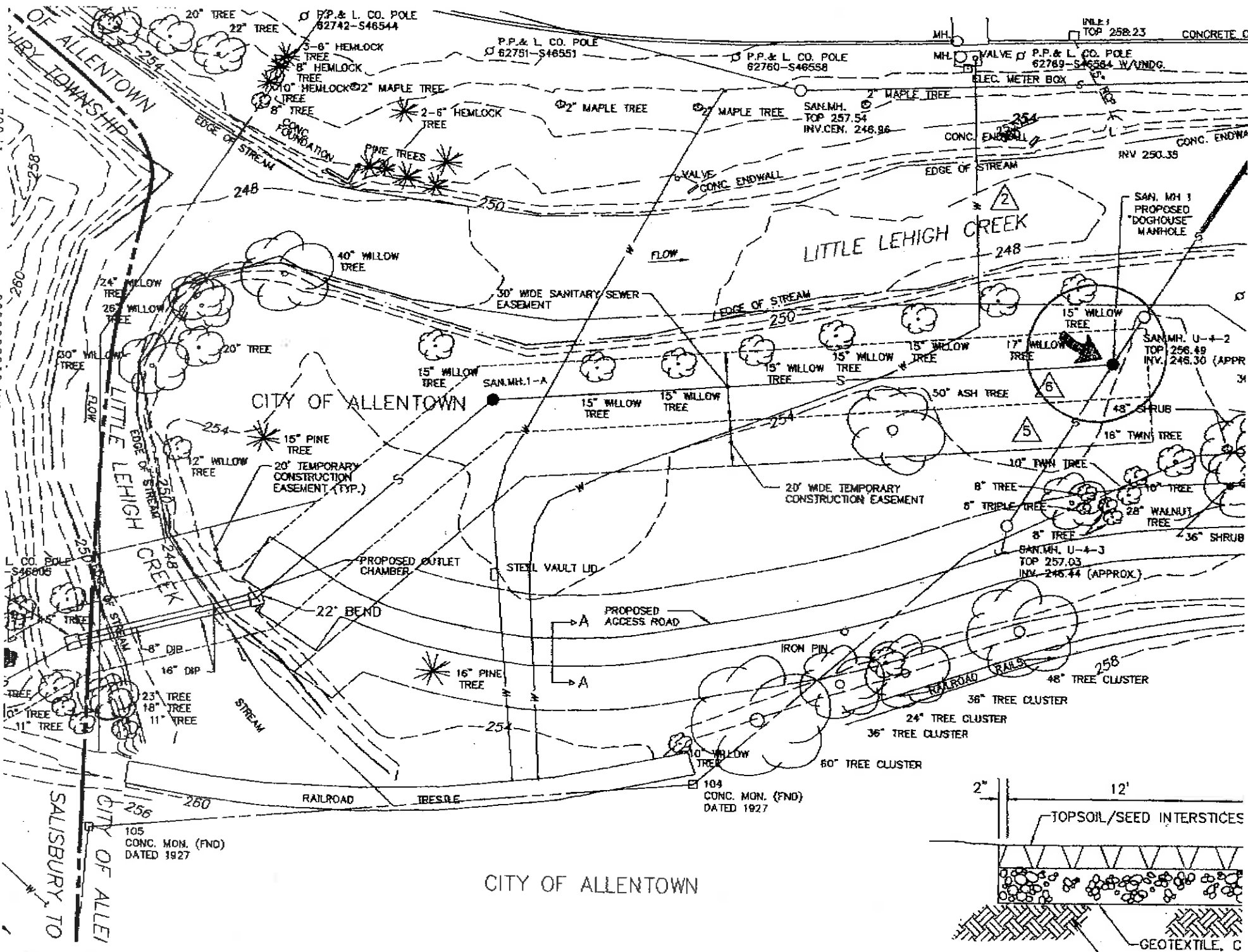
**MUNIC: S. Whitehall**

**FACILITY:**

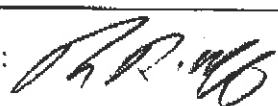
**FILE CODE: General Sewage**

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**Thomas R. Uff**



## Sanitary Sewer Overflow (SSO) Report to PADEP

1. Date, Name, Phone # of person completing this report	Date: 11/29/11 Name: THOMAS UFF Phone #: 610-398-0407 Signature: 
2. Your organization name and address?	SOUTH WHITEHALL TWP AUTHORITY 4444 WALBERT AVE ALLENTOWN PA 18104
3. Date found and specific location of SSO?	11/23/11. MANHOLE M44, LOCATED IN A CEM OF ALLENTOWN PARK NEAR THE INTERSECTIONS OF MARTIN LUTHER KING JR DRIVE AND LEHIGH PARKWAY
4. How was SSO discovered? By who?	DISCOVERED BY OBSERVATION ROAD EAST. OF CEM EMPLOYEES AND AUTHORITY EMPLOYEES CHECKING THE AREA.
5. Start and end time of SSO (actual or estimate?)	WEDNESDAY 11/23/11
6. Date, time and name of person who notified PADEP of SSO?	Date: 11/29/11 Time: 1430 HRS - VOICE MAIL Name: THOMAS UFF
7. Description and actual or estimated volume of SSO	UNKNOWN VOLUME OF SANITARY SEWER FLOW - FLOW APPEARED TO BE MINOR -
8. Where, precisely, did SSO go? (land, roadway, basement, swale, storm sewer, creek, etc)	SSO WENT TO LITTLE LEHIGH CREEK
9. What caused SSO? How was it stopped?	BACKUP OF SEWER FLOW IN CITY SEWER MAIN DID NOT ALLOW FLOW FROM AUTHORITY MAIN TO ENTER PIPE (CONNECTION) TO CITY OF ALLENTOWN PLANT.
10. Describe extent of contamination and how it was cleaned up	SEWER PIPES REMAINED IN THE AREA OF THE MANHOLE AFTER FLOW WENT BACK INTO PIPE. THE PIPES WILL BE REMOVED AND LIME SPREAD OVER AREA.
11. What actions will be taken to prevent a re-occurrence? When?	THE MANHOLE CASTING WILL BE LIFTED AND SEAL REPLACED. THIS WILL BE PERFORMED AFTER AREA IS DRY ENOUGH TO SUPPORT THE HEAVY EQUIPMENT REQD TO LIFT THE CASTING.

**Sanitary Sewer Overflow (SSO) Report to PADEP**

12. Other comments ?	<i>SEE MAP MARKED ON ATTACHED MAP</i>
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## Musinski, Patrick

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**From:** PW Uff Thomas R. <ufft@southwhitehalltp.org>  
**Sent:** Wednesday, September 07, 2011 11:49 AM  
**To:** Kennedy, Robert; Joseph McMahon; Kerchusky, Robert  
**Cc:** Young, Richard; PW Balliet James; rickklotz@aol.com; scott@imperial-excavating.com; Aurel Arndt; Alan Hill; Kevin German; Tom Williams; shenning@pidcockcompany.com; Dennis E. Harman; Phillips, Michael; Malloy, David; Musinski, Patrick; EX Hammer Jon A.  
**Subject:** RE: South Whitehall SSO

At this time: The area in the park surrounding the vault is still flooded with water flowing several feet deep. We will obviously have to wait for the creek to recede before evaluating the damage and entry possibilities. We will move in as soon as it is safe to do so.

No matter what we do here, it does not solve the problem of putting waste water from several municipalities (*including* West End City sewer customers, Salisbury Twp. customers, LCA customers, etc.) into one City pipe *already normally flowing close to full*. The vault lid that moved off its foundation weighs several thousand pounds. The SWT hydraulic flow alone did not move it. All flows combined overwhelmed the downstream pipe capability and caused the hydraulic surge that moved it. This indicates a regional problem, not only an SWTA problem. It happens to be an SWTA manhole that is serving as the "relief valve".

We will take care of our end ASAP and need your help to take care of yours.

Joe M. and Bob K.: Thanks for the offer of the ground pad plates; we will contact you if we can use them.

Thomas R. Uff, CUSA  
Utility and Traffic Superintendent  
South Whitehall Twp.  
[ufft@southwhitehall.com](mailto:ufft@southwhitehall.com)  
610-398-0407

-----Original Message-----

**From:** Kennedy, Robert [<mailto:Kennedy@allentowncity.org>]  
**Sent:** Wednesday, September 07, 2011 10:10 AM  
**To:** Joseph McMahon; PW Uff Thomas R.; Kerchusky, Robert  
**Cc:** Young, Richard; PW Balliet James; [rickklotz@aol.com](mailto:rickklotz@aol.com); [scott@imperial-excavating.com](mailto:scott@imperial-excavating.com); Aurel Arndt; Alan Hill; Kevin German; Tom Williams  
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week or more before the area dries out to fix the manhole. We have 2 steel plate and 8 heavy plastic plates you can borrow for this job. The City may be willing to lend you steel plates and Imperial may also have plates.

Regards,

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Lehigh County Authority

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I was out of town from 9/1 until this morning, so I just now see your pictures that show the vault lid moved off the vault again. We will get the lid back on ASAP, but have to allow the area time to dry out so it can support the weight of the machine required to lift the lid.

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**From:** Kennedy, Robert [<mailto:Kennedy@allentowncity.org>]  
**Sent:** Tuesday, September 06, 2011 5:24 PM  
**To:** Kerchusky, Robert; PW Uff Thomas R.  
**Cc:** Young, Richard; PW Balliet James; PW Weber James H.  
**Subject:** RE: South Whitehall SSO

Tom, The manhole above Shriver's bridge that had been fixed with a new casting is leaking badly again. The casting has been pushed up and a lot of sewage is pushing out and running into Little Lehigh making it impossible to run the water Filtration Plant. We were up at 5 PM on 9-6-11 and it was leaking severely.

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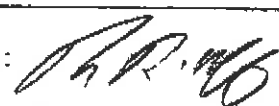
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## Sanitary Sewer Overflow (SSO) Report to PADEP

1. Date, Name, Phone # of person completing this report	Date: 8/30/11 Name: THOMAS UFF Phone #: 610-398-0407 Signature: 
2. Your organization name and address?	SOUTH WHITEHALL TWP AUTHORITY WILLY WALBERT AVE ALLENTOWN PA 18104
3. Date found and specific location of SSO?	8/29/11. MANHOLE M4-1 LOCATED IN A CITY OF ALLENTOWN PARK NEAR THE INTERSECTIONS OF MARTIN LUTHER KING JR DRIVE AND LEHIGH PARKWAY
4. How was SSO discovered? By who?	DISCOVERED BY OBSERVATION ROAD EAST. OF CITY EMPLOYEES AND AUTHORITY EMPLOYEES CHECKING THE AREA.
5. Start and end time of SSO (actual or estimate?)	SUNDAY 8/28/11 TO MONDAY 8/29/11
6. Date, time and name of person who notified PADEP of SSO?	Date: 8/30/11 Time: 0950 AM Name: THOMAS UFF FILE: S. Whitehall TWP Lehigh CTY Ch 94 / Gas Sewage
7. Description and actual or estimated volume of SSO	LAKATOWN VOLUME OF SANITARY SEWER FLOW
8. Where, precisely, did SSO go? (land, roadway, basement, swale, storm sewer, creek, etc)	SSO WENT TO LITTLE LEHIGH CREEK
9. What caused SSO? How was it stopped?	BACKUP OF SEWER FLOW IN CITY SEWER MAIN DID NOT ALLOW FLOW FROM AUTHORITY MAIN TO ENTER PIPE (CONNECTION) TO CITY OF ALLENTOWN PLANT
10. Describe extent of contamination and how it was cleaned up	SEWER DEBRIS REMAINED IN THE AREA OF THE MANHOLE AFTER FLOW WENT BACK INTO PIPE. THE DEBRIS WAS REMOVED AND LIME SPREAD OVER AREA.
11. What actions will be taken to prevent a re-occurrence? When?	THE MANHOLE LID WILL BE RESEALED AND REPLACED OVER HOLE. THE LID WILL BE BOLTED TO CASTING. TO BE DONE AS SOON AS LIFTING EQUIP. CAN ENTER SOFT AREA AROUND VAULT.

**Sanitary Sewer Overflow (SSO) Report to PADEP**

12. Other comments ?

*SEE AREA MARKED ON ATTACHED MAPS*



**Public Works Department  
4444 Walbert Avenue  
Allentown, PA 18104-1699  
Phone: 610-398-0407  
Fax: 610-398-6898**

## **Facsimile Transmission Sheet**

**Date: 08/30/11**

**To: Patric Musinsky, Water Quality Supervisor,  
PADEP**

**Fax Number 570-830-3016**

**From: Thomas R. Uff, Superintendent, Underground  
Utilities & Traffic**

**Subject: SSO Report: Cedar Creek Interceptor Line**

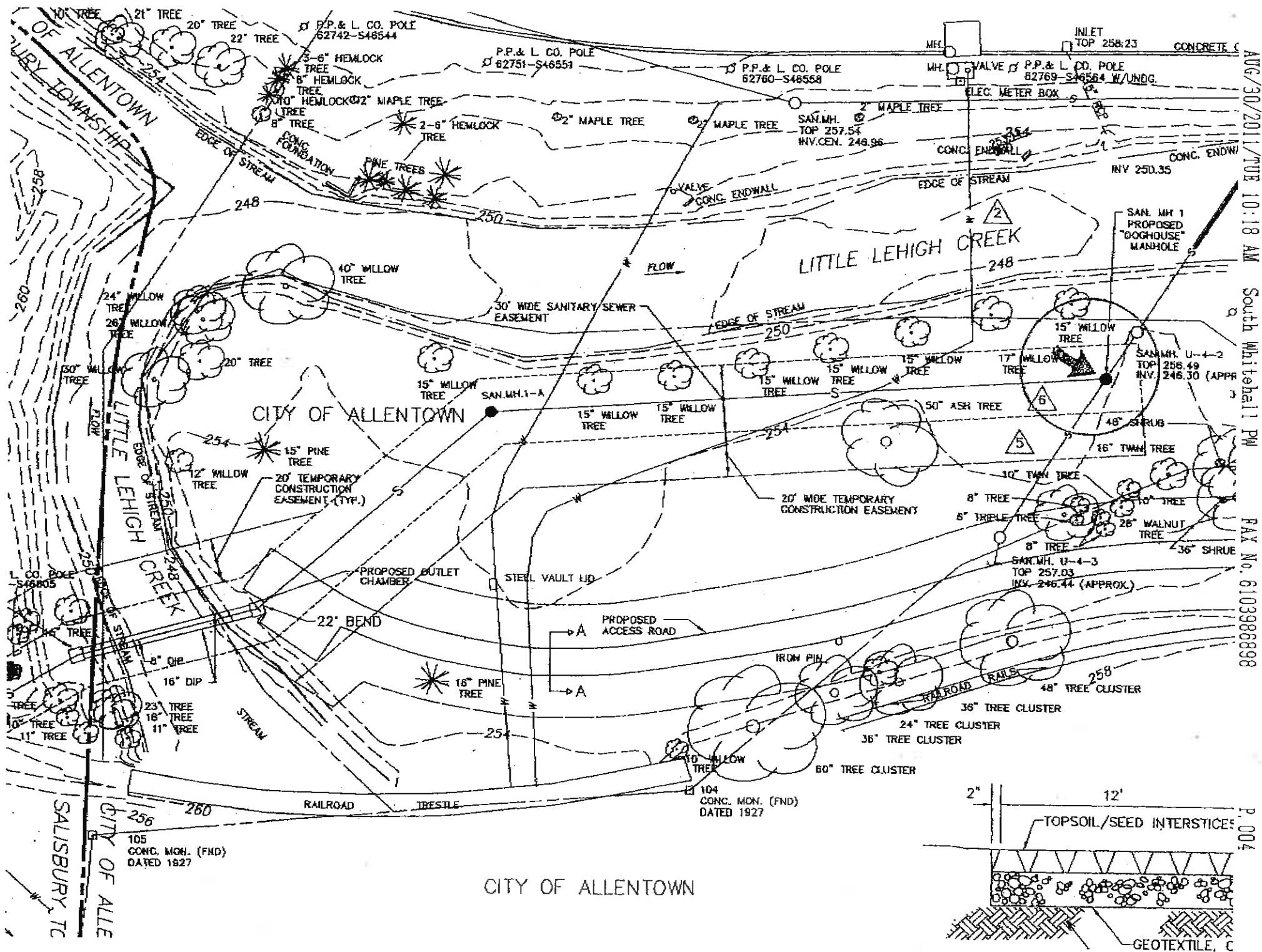
**Number of pages including this transmission sheet: 6**

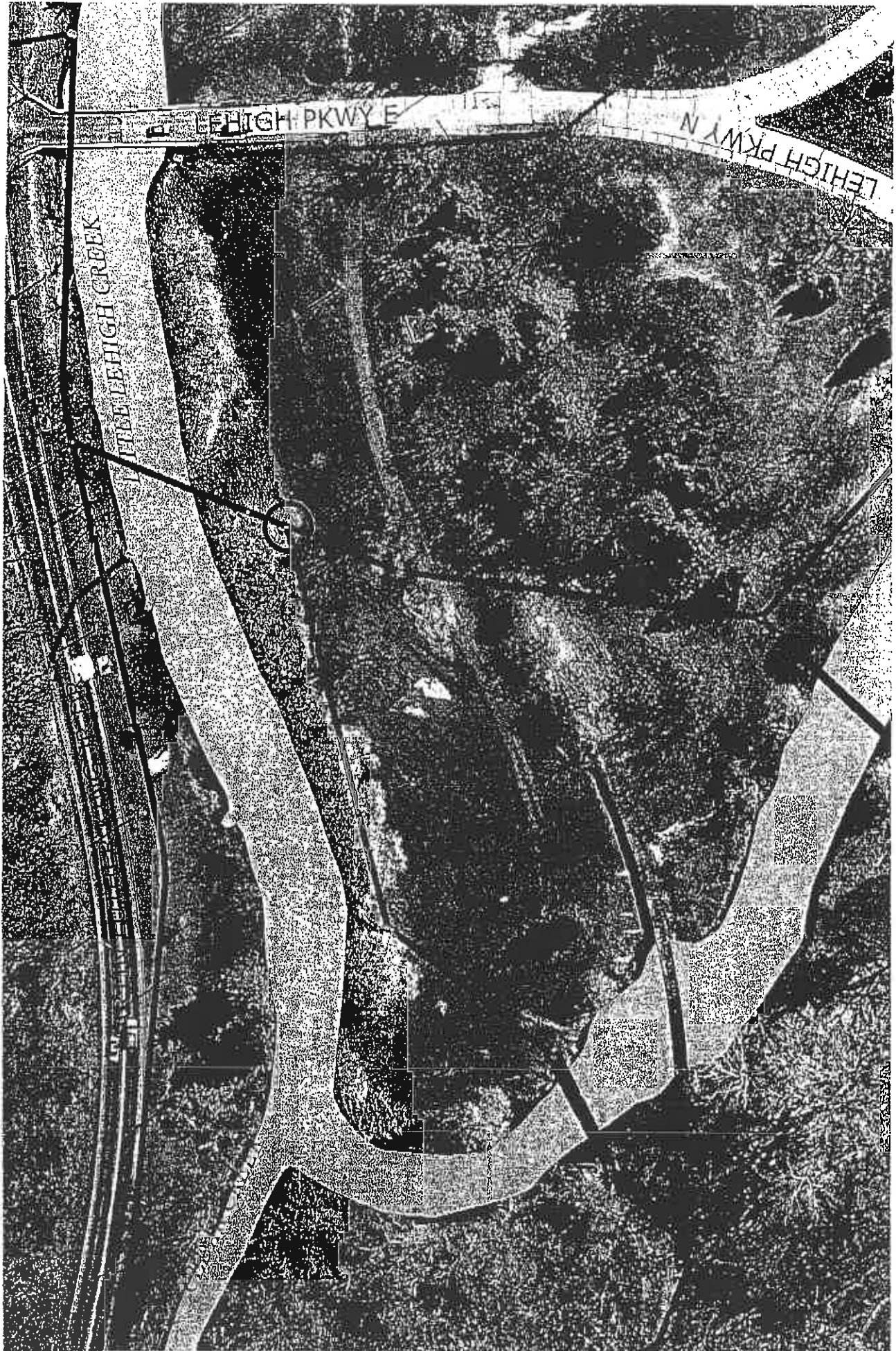
### **Message:**

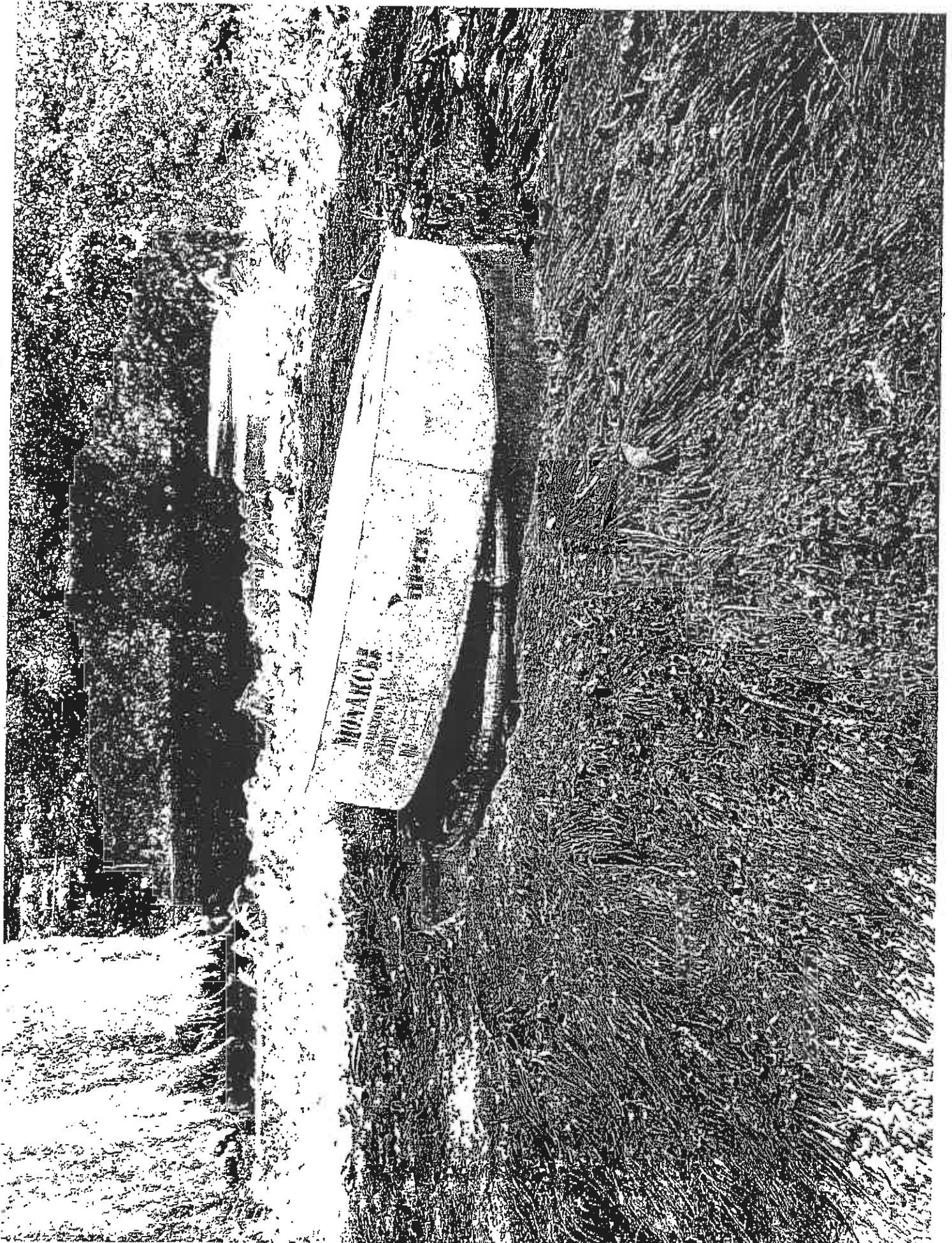
**The attached SSO report is the result of an overflow at a Township Authority Manhole. This happened Sunday 08/28/11 into Monday 08/29/11.**

**Note: We have performed extensive repairs and sealing of manholes in this area over the past year. The flow was unable to enter the City main and the backpressure caused the lid to lift.**

P.004







MAR/15/2011/TUE 09:05 AM

FILE: GENERAL Sewer  
S. Whitcomb  
Lohigh  
Sanitary Sewer Overflow (SSO) Report to PADEP

P. 002

CC:SR  
CC:DF

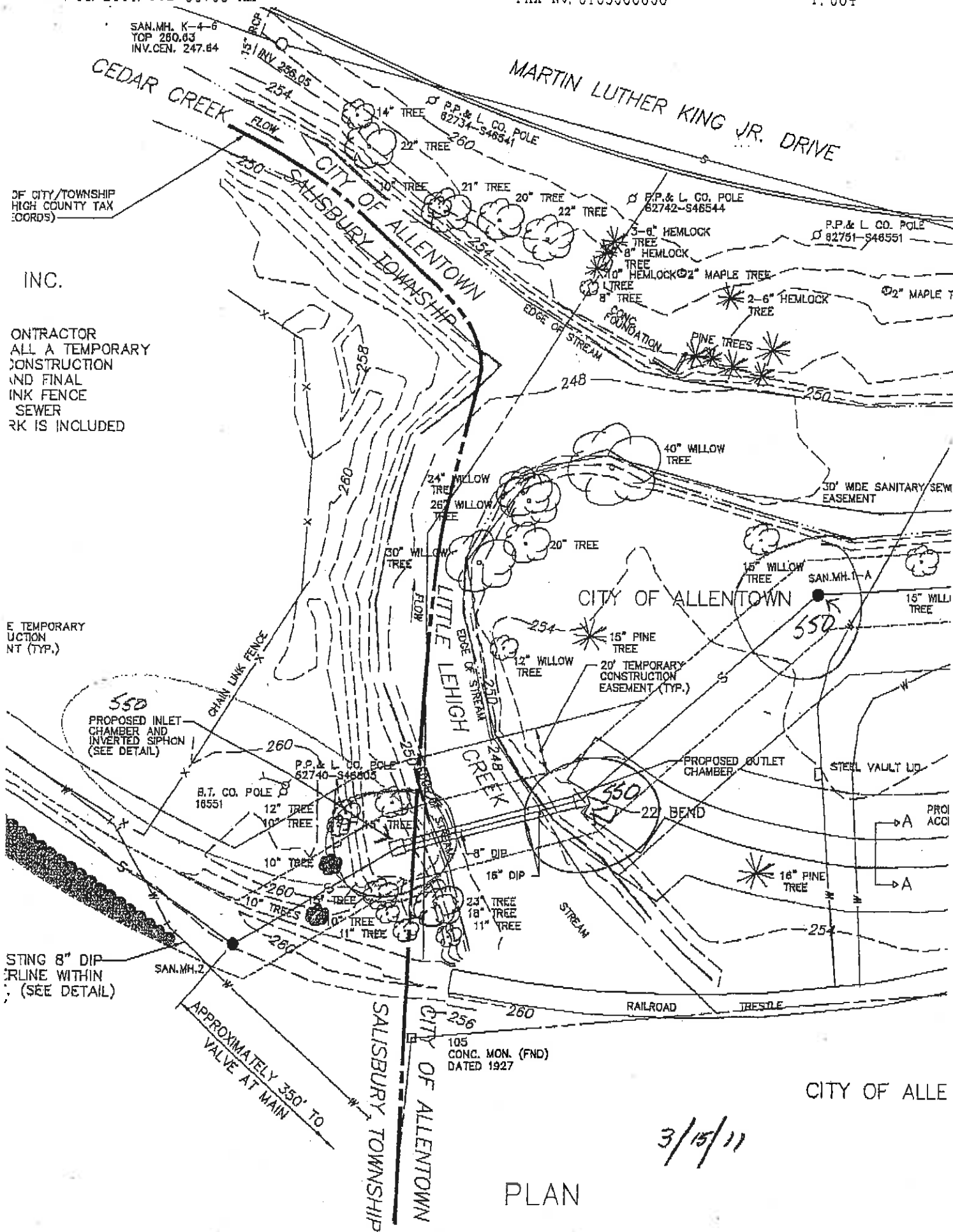
1. Date, Name, Phone # of person completing this report	Date: 3/15/2011 Name: THOMAS WFF Phone #: 610-398-0467 Signature: <i>THOMAS WFF</i>
2. Your organization name and address?	SOUTH WHITEHALL TWP. 4444 WALBERT AVE ALLENTOWN PA 18104
3. Date found and specific location of SSO?	3/11/2011 SANITARY SEWER SIPHON CHAMBER BETWEEN ACCESS MANHOLES (MH 1 & MH 2) ALONG MARTIN LUTHER KING JR. DRIVE, ALLENTOWN AND MH 1-A.
4. How was SSO discovered? By who?	BY CITY OF ALLENTOWN EMPLOYEE AND TWP EMPLOYEE.
5. Start and end time of SSO (actual or estimate?)	ON 3/11/2011 - AS NOTED BY TWP EMPLOYEES
6. Date, time and name of person who notified PADEP of SSO?	Date: 3/15/2011 PAT RUSKOSKI - BY EMAIL Time: 0825 Name: THOMAS WFF
7. Description and actual or estimated volume of SSO	OVERFLOW OUT OF MATHES OF SIPHON CHAMBERS. - UNKNOWN VOLUME, OVERFLOW FROM MH 1-A GASKET SEAL - UNKNOWN VOLUME
8. Where, precisely, did SSO go? (land, roadway, basement, swale, storm sewer, creek, etc)	SSO WAS WASHED AWAY BY CREEK FLOW AND FLOODING OVER 3' DEEP
9. What caused SSO? How was it stopped?	SEALS IN NEW REPAIRS BLEW OUT DUE TO PRESSURE OF FLOW. IS IT POSSIBLE CAUSE OF WHICH OVERWHELMED CITY SYSTEM AND BACKED UP INTO TOWNSHIP MAIN. STOPPED WHEN VOLUME IN CITY MAIN ALLOWED TOWNSHIP FLOW.
10. Describe extent of contamination and how it was cleaned up	UNKNOWN EXTENT OF CONTAMINATION. MINOR CLEAN UP WAS PERFORMED BECAUSE THERE WAS MINOR DEBRIS NOTED AT TIME OF INSPECTION. AREA WAS LINED ALSO.
11. What actions will be taken to prevent a re-occurrence? When?	TOWNSHIP HAS AN ACTIVE I&I PROGRAM. UNKNOWN WHAT CITY WILL DO TO CONTROL FLOW SURGES IN THEIR MAINS. TOWNSHIP RECENTLY SEALED MANHOLES IN THIS AREA.

## Sanitary Sewer Overflow (SSO) Report to PADER

12. Other comments ?

ON FURTHER INVESTIGATION WE DETERMINED  
THAT DOWNSTREAM MANHOLES IN THE CITY  
OF ALLENTOWN WERE FULL INDICATING THAT  
THEIR PIPE'S CAPACITY WAS OVERWHELMED, THUS

OUR FLOW WAS NOT ABLE TO PASS TO  
THE PLANT AS DESIGNED.



CITY OF ALLE

3/15/11

PLAN



**Public Works Department  
4444 Walbert Avenue  
Allentown, PA 18104-1699  
Phone: 610-398-0407  
Fax: 610-398-6898**

## **Facsimile Transmission Sheet**

**Date: 03/15/11**

**To: Patric Musinski, DEP**

**Fax Number 570-830-3016**

**From: Thomas R. Uff, Superintendent, Underground  
Utilities & Traffic**

**Subject: SSO Report to DEP**

**Number of pages including this transmission sheet: 4**

### **Message:**

**Please note that the SSOs occurred from both the siphon chamber lid gaskets, and at the gasket seal on manhole MH.1-A. These are located at the three points circled on the plan. We will repair these as soon as we can get equipment in to lift the structures to replace the gaskets.**

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**Thomas R. Uff**

## Sanitary Sewer Overflow (SSO) Report to PADEP

S. Whitehall TWP

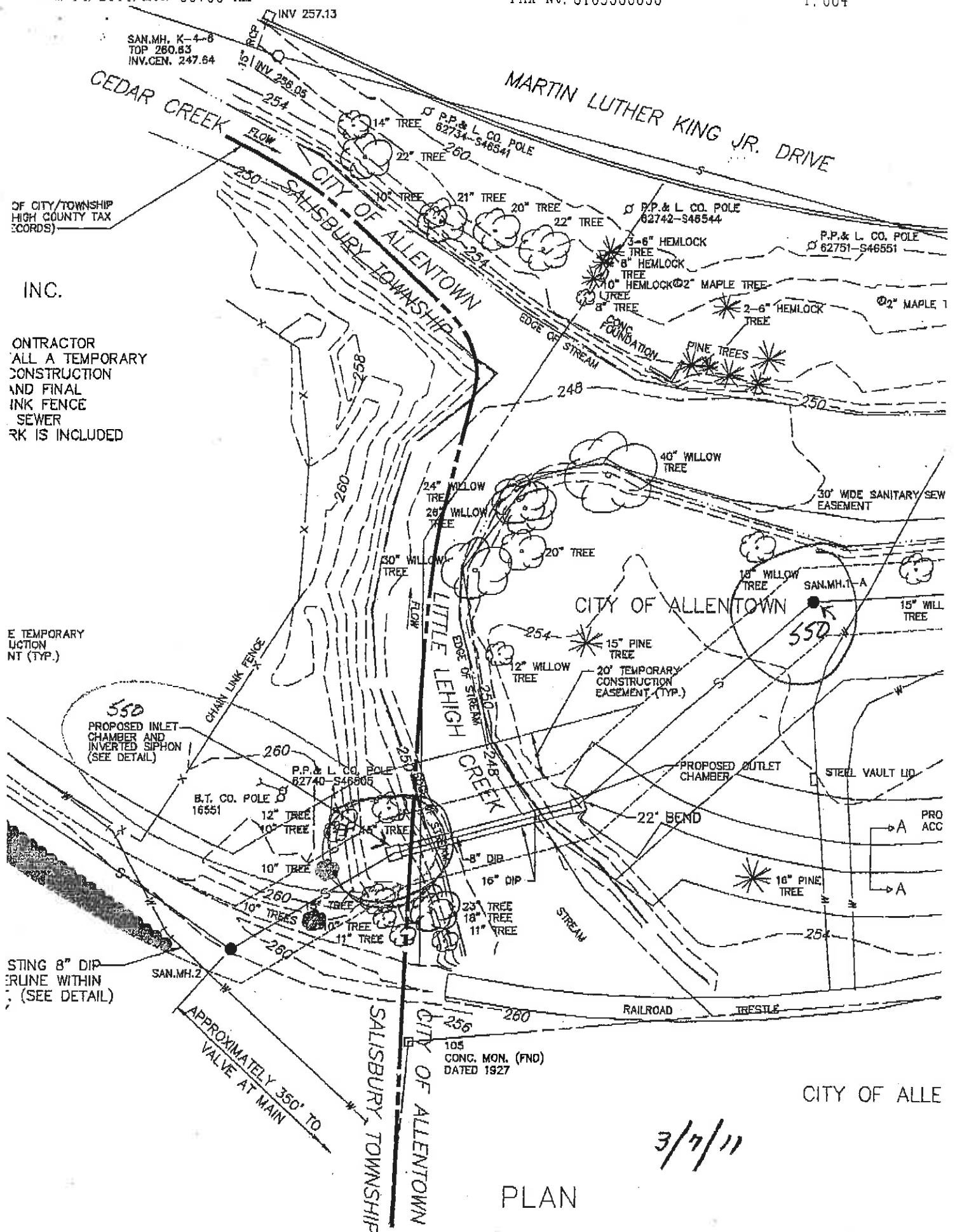
Lebanon City

1. Date, Name, Phone # of person completing this report	Date: 3/9/2011 Name: THOMAS UFF Phone #: 610-398-0467 Signature: <i>THOMAS</i>
2. Your organization name and address?	SOUTH WHITEHALL TWP. 4444 WALBERT AVE ALLENTOWN PA 18104
3. Date found and specific location of SSO?	3/9/2011 SANITARY SEWER SEPHON CHAMBER BETWEEN ACCESS MANHOLES (MH1 & MH2) ALONG MARTIN LUTHER KING JR. DRIVE, ALLENTOWN AND MH1-A.
4. How was SSO discovered? By who?	BY CITY OF ALLENTOWN EMPLOYEE AND TWP EMPLOYEE.
5. Start and end time of SSO (actual or estimate?)	ON 3/9/2011 - AS NOTED BY TWP EMPLOYEES
6. Date, time and name of person who notified PADEP of SSO?	Date: 3/11/2011 DRY NUSZOSKI - VOICE MAIL + EMAIL Time: 0824 Name: THOMAS UFF
7. Description and actual or estimated volume of SSO	OVERFLOW OUT OF MATCHES OF SEPHON CHAMBERS. - UNKNOWN VOLUME, OVERFLOW FROM MH1-A GASKET SEAL - UNKNOWN VOLUME
8. Where, precisely, did SSO go? (land, roadway, basement, swale, storm sewer, creek, etc)	SSO WAS WASHED AWAY BY CREEK FLOW
9. What caused SSO? How was it stopped?	SEALS IN NEW REPAIRS BLEW OUT DUE TO PRESSURE OF FLOW IS IT POSSIBLE CAUSE OF WHICH OVERWHELMED CITY SYSTEM AND BACKED UP INTO TOWNSHIP MAIN. STOPPED WHEN VOLUME IN CITY MAIN ALLOWED TOWNSHIP FLOW.
10. Describe extent of contamination and how it was cleaned up	UNKNOWN EXTENT OF CONTAMINATION. MINOR CLEAN UP WAS PERFORMED BECAUSE THERE WAS MINOR DEBRIS NOTED AT TIME OF INSPECTION. AREA WAS LINED ALSO.
11. What actions will be taken to prevent a re-occurrence? When?	TOWNSHIP HAS AN ACTIVE I&E PROGRAM. UNKNOWN WHAT CITY WILL DO TO CONTROL FLOW SURGES IN THEIR MAINS. TOWNSHIP RECENTLY SEALED MANHOLES IN THIS AREA.

## Sanitary Sewer Overflow (SSO) Report to PADEP

12. Other comments ?

ON FURTHER INVESTIGATION WE DETERMINED  
THAT DOWNSTREAM MANHOLE IN THE CITY  
OF ALLENTOWN WERE FULL INDICATING THAT  
THEIR PIPE'S CAPACITY WAS OVERWHELMED, THUS  
OUR FLOW WAS NOT ABLE TO PASS TO  
THE PLANT AS DESIGNED.





**Public Works Department**  
**4444 Walbert Avenue**  
**Allentown, PA 18104-1699**  
**Phone: 610-398-0407**  
**Fax: 610-398-6898**

## **Facsimile Transmission Sheet**

**Date: 03/14/11**

**To: Patric Musinski, DEP**

**Fax Number 570-830-3016**

**From: Thomas R. Uff, Superintendent, Underground  
Utilities & Traffic**

**Subject: SSO Report to DEP**

**Number of pages including this transmission sheet: 4**

### **Message:**

**Please note that the SSOs occurred from the inlet chamber lid gasket, and at the gasket seal on manhole MH.1-A. These are located at the two points circled on the plan. We will repair these as soon as we can get equipment in to lift the structures to replace the gaskets.**

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**Thomas R. Uff**



Public Works Department  
4444 Walbert Avenue  
Allentown, PA 18104-1699  
Phone: 610-398-0407  
Fax: 610-398-6898

## Facsimile Transmission Sheet

Date: 04/08/10

To: Sheena Ripple, DEP

Fax Number 610-861-2072

From: Thomas R. Uff, Superintendent, Underground  
Utilities & Traffic

Subject: SSO Report to DEP

Number of pages including this transmission sheet: 4

### Message:

Please note that the SSOs occurred from the inlet chamber lid, and the outlet chamber lid. These are located at each end of the inverted siphon pipe that crosses the creek at the two points circled on the plan.

WATER QUALITY

COUNTY: Lehigh

APR 08 2010

MUNIC: South Whitehall

FACILITY: South Whitehall General File

FILE CODE: GENERAL SEWAGE

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Thomas R. Uff

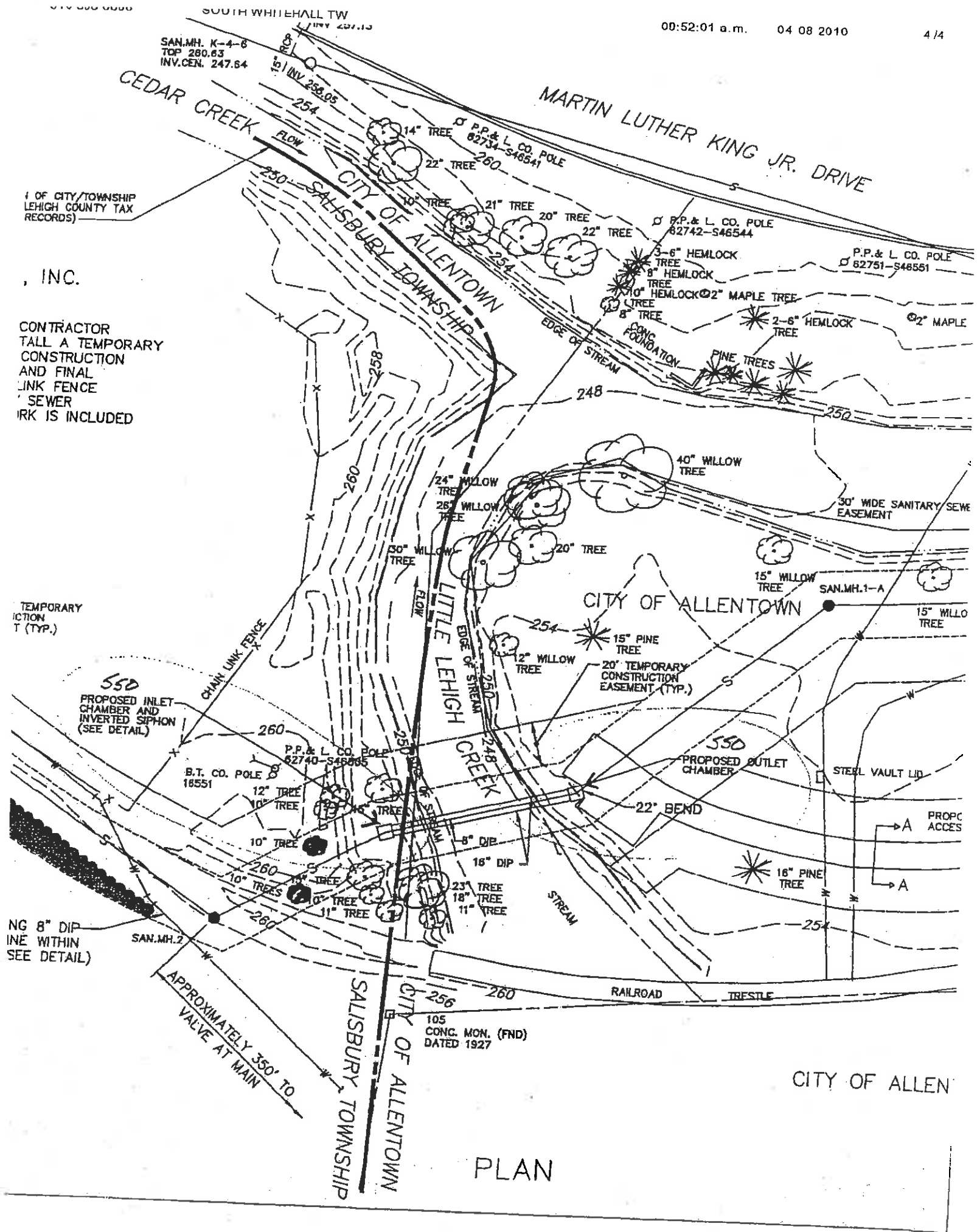
SR 4/8/10

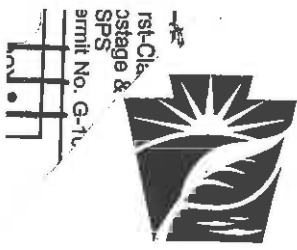
## Sanitary Sewer Overflow (SSO) Report to PADEP

1. Date, Name, Phone # of person completing this report	Date: 4/6/10 Name: THOMAS UFF Phone #: 610-398-0407 Signature: <i>THOMAS UFF</i>
2. Your organization name and address?	SOUTH WHITEHALL TWP. 1444 WALBERT AVE ALLENTOWN PA 18104
3. Date found and <u>specific</u> location of SSO?	3/30/2010 SANITARY SEWER SEPTICON CHAMBER ACCESS MANHOLES (MH1 & MH2) BETWEEN TR. DRIVE, ALLENTOWN
4. How was SSO discovered? By who?	BY CITY OF ALLENTOWN EMPLOYEE BRIAN CHAMBERLAIN
5. Start and end time of SSO (actual or estimate?)	ON 3/30/2010 - AS RECEIVED THROUGH BRIAN CHAMBERLAIN
6. Date, time and name of person who notified PADEP of SSO?	Date: 3/31/2010 Time: 10:23 Name: THOMAS UFF
7. Description and actual or estimated volume of SSO	OVERFLOW OUT OF MANHOLES OF SEPTICON CHAMBERS. UNKNOWN VOLUME
8. Where, <u>precisely</u> , did SSO go? (land, roadway, basement, swale, storm sewer, creek, etc)	SSO WAS WASHED AWAY BY CREEK FLOW
9. What caused SSO? How was it stopped?	IS IT POSSIBLE CAUSE OF WHICH OVERWHELMED CITY SYSTEM AND BACKED UP INTO TOWNSHIP MAIN. STOPPED WHEN VOLUME IN CITY MAIN ALLOWED TOWNSHIP FLOW
10. Describe extent of contamination and how it was cleaned up	UNKNOWN EXTENT OF CONTAMINATION. MINOR CLEAN UP WAS PERFORMED BECAUSE THERE WAS MINOR DEBRIS NOTED AT TIME OF INSPECTION.
11. What actions will be taken to prevent a re-occurrence? When?	TOWNSHIP HAS AN ACTIVE I&I PROGRAM. UNKNOWN WHAT CITY WILL DO TO CONTROL FLOW SURGES IN THEIR MAINS.

# Sanitary Sewer Overflow (SSO) Report to PADEP

<p>12. Other comments ?</p>	<p>SSO</p>
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# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NORTHEAST REGIONAL OFFICE

General Sewage

October 20, 2010

**CERTIFIED MAIL NO.: 7010 0290 0000 2762 7300**

South Whitehall Township  
4444 Walbert Avenue  
Allentown, PA 18104-1699

Attention: Mr. John Hammer  
Township Manager

Re: Sewage  
South Whitehall Township, Lehigh County

Dear Mr. Hammer:

This letter is intended as a reminder of South Whitehall Township's responsibility to notify the Department of any sanitary sewer overflows (SSO) which occur within your collection system.

On September 30 and October 1, 2010, the region experienced excessive rainfall. As a result, several municipalities in the Lehigh Valley reported SSOs from their systems. The Department has received similar SSO notifications in the past, most recently March 30, 2010 from South Whitehall Township. At that time, other municipalities in proximity to South Whitehall Township experienced similar SSOs. These municipalities experienced similar SSOs during the storm of September 30 and October 1, 2010 and notified the Department as such.

To date, the Department has not received any notification from South Whitehall Township regarding any SSOs as a result of the storm of September 30 and October 1, 2010. If such SSOs occurred, the Department requests that South Whitehall Township submit a written notification within 5 days of receipt of this letter. Please use the format followed when the March 30, 2010 notification was submitted.

If you have any questions concerning this correspondence, you may contact me at 570-826-2326.

Sincerely,

Patrick J. Musinski  
Water Quality Specialist Supervisor  
Water Management Program